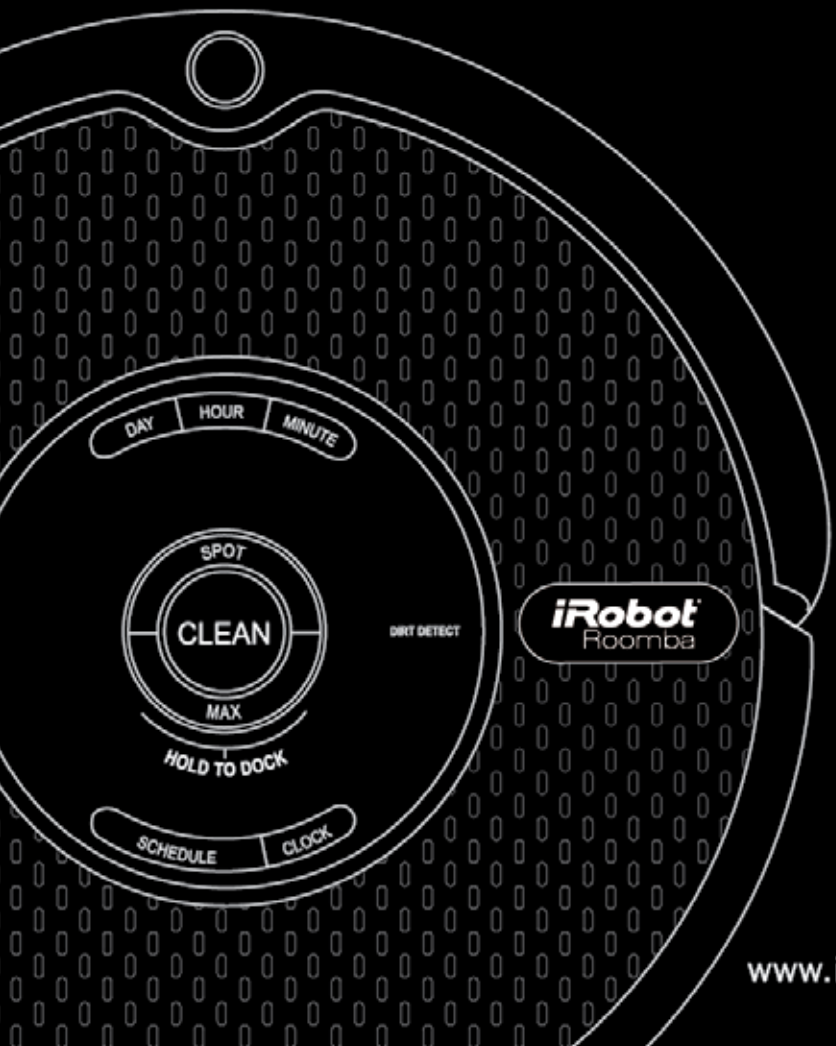
iRobot® Roomba®

Vacuum Cleaning Robot

Professional Series

Owner's Manual



www.irobot.com

iRobot®

Dear iRobot Roomba owner,

Welcome to the world of iRobot! As an owner of an iRobot Roomba Vacuum Cleaning Robot, you join a worldwide community of people who enjoy more free time. Roomba cleans routinely, so you don't have to. Now you can spend your time on more enjoyable and important tasks.

First impressions are everything and maintaining a clean and pleasant environment is integral to operating a thriving business and maintaining a cleaner home. Doors that are continually opening and closing, heavily trafficked areas, and day-to-day life can make keeping up with ever accumulating messes a daily challenge. With your iRobot Roomba Professional series that's one challenge you can easily meet. Let your Roomba take care of the positive first impression while you spend time on other priorities.

Many advancements are made to our products based on suggestions and feedback from home robot owners like you. To share your feedback, stories, or ask questions about your new home robot, please visit our Service and Support site at www.irobot.com/support.

We encourage you to register your robot, either online or by mail. As a registered home robot owner, you'll receive information and updates personalized to your robot and you can save helpful tips and product information in your account. To register online, go to www.irobot.com.

Thank you for joining the iRobot community. We look forward to your valued input as we continue to deliver groundbreaking products to change and improve your world. As you begin using your iRobot Roomba Professional Series Robot, you will soon discover why millions of iRobot owners say they will never go back to cleaning the old way.

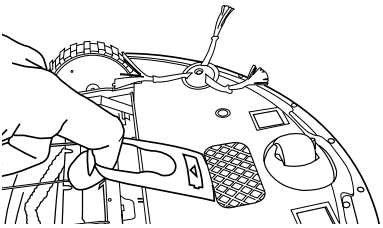
Enjoy more life and less work.

On behalf of the entire iRobot team,

Colin Angle
Chief Executive Officer
and Co-Founder

Important Tips

⚠ Before using Roomba the first time, you need to activate Roomba by removing the battery pull tab. You should also charge the battery overnight for best results.



Remove battery pull tab

Turning Roomba on and off

- Roomba does not have a power button.
- To turn Roomba ON, press CLEAN once. You will hear a beep and the CLEAN button will light.
- To start a cleaning cycle, press CLEAN again. Roomba will start a cleaning cycle.
- To pause Roomba, press CLEAN while Roomba is cleaning.
- To resume the cleaning cycle, press CLEAN again.
- To turn Roomba OFF, press and hold the CLEAN button until Roomba's lights turn OFF.

For Best Performance

- Remove and clean Roomba's brushes after every use.
- Empty Roomba's bin and clean its filter after every use.
- Use the Virtual Wall® Lighthouses to keep Roomba cleaning where you want it to.
- Use your Roomba frequently.

Battery Life

- To extend the battery life, iRobot recommends always storing Roomba plugged in.

⚠ Roomba contains electronic parts. DO NOT submerge Roomba or spray it with water. Clean with a dry cloth only.

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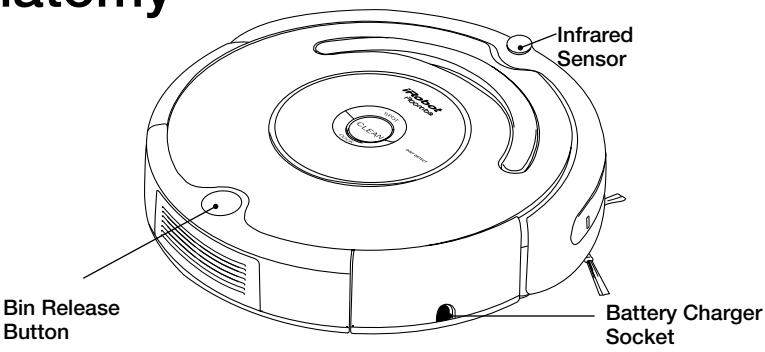
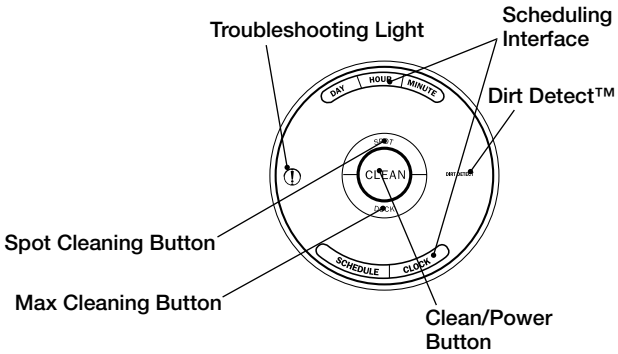
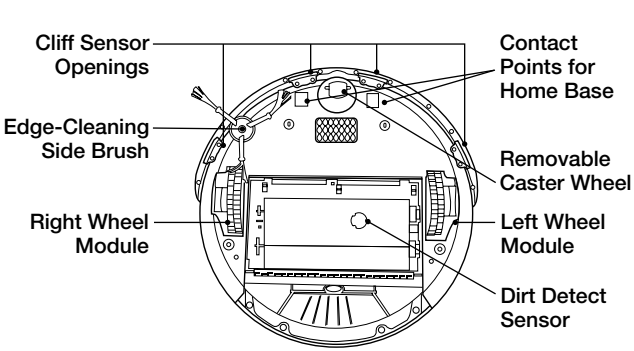
iRobot Roomba Professional Anatomy

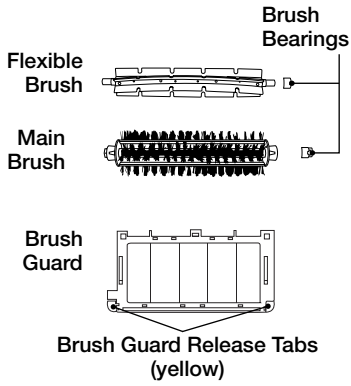


Buttons and Lights



Bottom View





Cleaning Pattern

Roomba is a robot that cleans floors differently than the way most people clean their floors. Roomba uses its robot intelligence to efficiently clean the whole floor, under and around furniture and along walls.

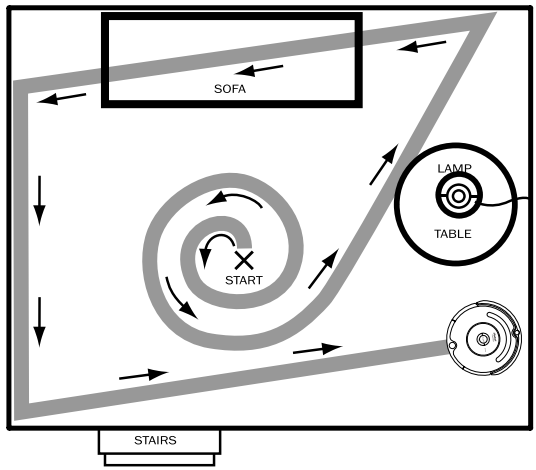
Roomba calculates the optimal cleaning path as it cleans and determines when to use its various cleaning behaviors.

Spiraling: Roomba uses a spiral motion to clean a concentrated area.

Wall Following: Roomba uses this technique to clean the full perimeter of the room and navigate around furniture and obstacles.

Room Crossing: Roomba crisscrosses the room to ensure full cleaning coverage.

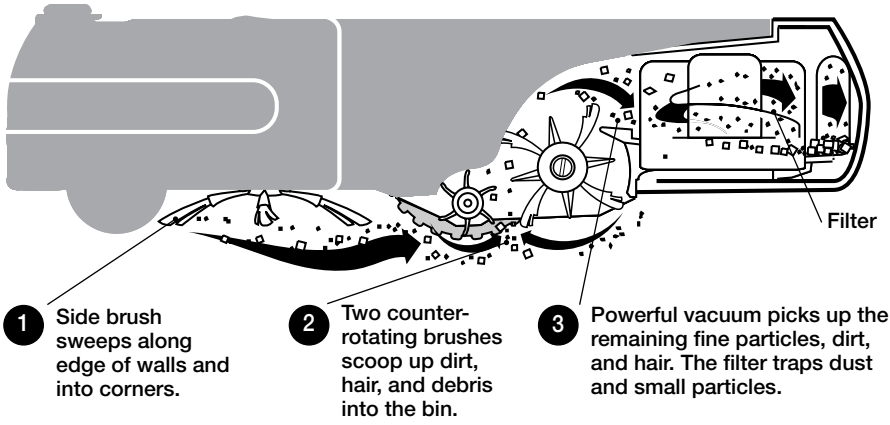
Dirt Detection: When Roomba senses dirt, the blue Dirt Detect™ light is lit and Roomba cleans more intensely in that area.



TIP: For most efficient cleaning, clear your floor of clutter and use a Virtual Wall Lighthouse to confine Roomba to one room.

Cleaning System

Roomba Professional features a patented three-stage cleaning system when using the vacuum cleaning bin.


Filter
1
Side brush sweeps along edge of walls and into corners.
2
Two counter-rotating brushes scoop up dirt, hair, and debris into the bin.
3
Powerful vacuum picks up the remaining fine particles, dirt, and hair. The filter traps dust and small particles.

Floor Surfaces

Roomba works on wood, carpet, tile, vinyl, and linoleum, and adjusts automatically to different floor types.

Roomba automatically senses stairs and other cliffs. Roomba might stall when confronting rounded edges and might slide over particularly slippery surfaces. Extremely dark-colored floors may contribute to Roomba's sensors working less effectively.

Anti-tangle system

Roomba won't get stuck on cords, carpet fringe or tassels. When Roomba senses it has picked up a cord or tassel, it will automatically stop its main brushes or side brush and try to escape. Roomba may make a clicking noise when anti-tangle is activated.

Dual Cleaning Bins

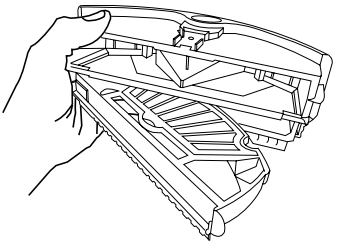
Your Roomba Professional Series comes with two interchangeable cleaning bins.

Vacuum Cleaning Bin

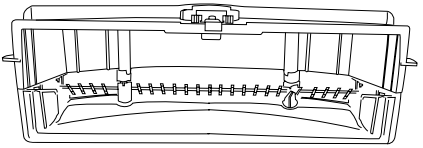
Use the vacuuming cleaning bin for everyday cleaning. The dual action, counter-rotating brushes pick up debris, while the vacuum sucks up the dirt and dust.

High-Capacity Sweeper Bin

The high-capacity sweeper bin can hold more debris than the vacuum cleaning bin. Use this bin when cleaning larger-than-usual amounts of dirt and dust, or when cleaning bigger pieces of debris.



Vacuum Cleaning Bin



High-Capacity Sweeper Bin

TIP: Use the high-capacity sweeper bin to pick up larger amounts of dirt, dust, and debris when you have a larger mess to clean.

Cleaning Modes

Roomba has four cleaning modes. Roomba will change its cleaning method based on the cleaning mode you select.

Clean Mode

Roomba automatically calculates the room size and adjusts its cleaning time appropriately.

Spot Mode

Roomba will spiral approximately three feet in diameter and then spiral back to where it started, intensely cleaning a localized area.

Max Mode

For effective cleaning in extra large areas. Use Max Mode for larger rooms, or areas that need to be cleaned more thoroughly. In Max Mode Roomba will clean in a single room for as long as the battery will allow.

Scheduled Cleaning Mode

When a future cleaning time is programmed, Roomba enters Scheduled Cleaning Mode. When scheduled to clean, Roomba will occasionally flash its next cleaning time to remind you of its schedule. At the specified time, Roomba leaves its Home Base, cleans, and then returns to the Home Base to recharge when it's done.

TIP: Roomba takes approximately 25 minutes to clean an average room and will pass over the same area of the floor multiple times to ensure total floor coverage. Roomba automatically calculates the room size and adjusts its cleaning time appropriately.

TIP: The first time Roomba runs in Max Mode it may run until the end of the battery charge. Roomba does this intentionally to learn the capacity life of the battery. Once this learning is complete, Roomba will be able to make it's way back to the home base before the battery dies the next time it runs in Max Mode.

Battery Storage and Charging

Roomba is powered by a rechargeable battery. Roomba's battery can last for hundreds of cleaning cycles before a replacement is necessary.

Battery Life

To extend the battery life, iRobot recommends always storing Roomba plugged in. For more details on how to maintain Roomba's battery life, visit www.irobot.com.

TIP: If Roomba's battery is warm, Roomba will wait for the battery to cool down before beginning a charge cycle.

TIP: For long-term storage, iRobot recommends that the battery be fully charged and then removed from the robot and stored in a cool, dry place.

Cleaning Time

You should fully charge Roomba's battery before each cleaning cycle. When fully charged, Roomba's battery will last for at least one full clean cycle.

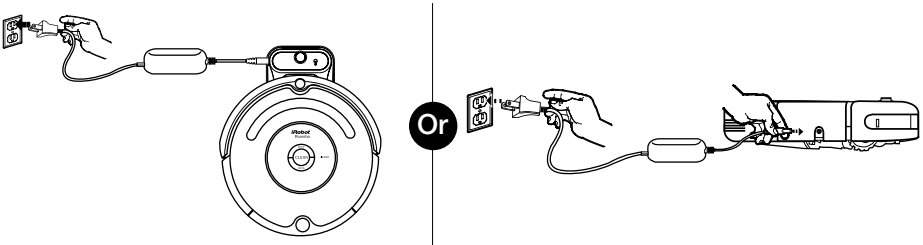
16-Hour Refresh Charge

If Roomba has been left off the Home Base/charger for an extended period, Roomba will initiate a special 16-hour charge cycle. This extensive charge refreshes Roomba's battery and extends the battery life. While charging, Roomba's CLEAN button light will pulse quickly. Note: For best results, do not interrupt this Refresh Charge.

TIP: For best performance, charge Roomba's battery overnight before using Roomba for the first time. Always leave the battery inside Roomba with Roomba plugged in or on the Home Base.

Charging Roomba

Charge Roomba in one of two ways:

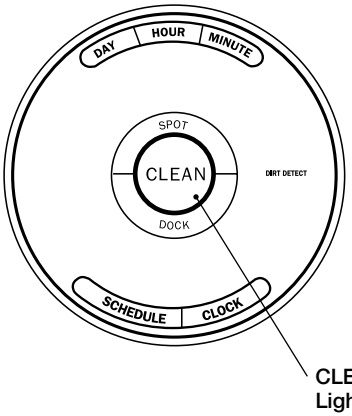


Using the Home Base

Using the Power Supply Only

TIP: When Roomba is on the Home Base, always make sure that the Home Base Power and Docked lights are on.

Roomba uses the CLEAN button light to indicate that it is charging. Use this chart to determine the status of the battery:



CLEAN button light	What it means
Red	Battery empty
Amber pulsing	Charging
Green solid	Fully charged
Amber flashing	16-hour refresh charge

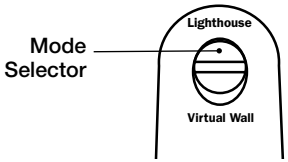
Virtual Wall®Lighthouses

Virtual Wall Lighthouses can be switched between Lighthouse mode and Virtual Wall mode.

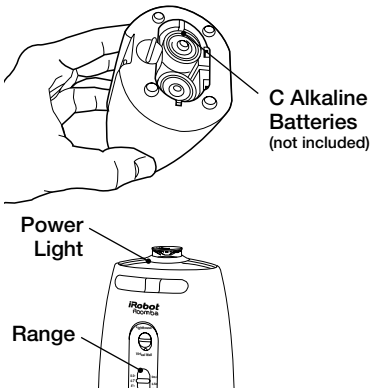
Lighthouse mode helps Roomba navigate around your home, find the Home Base, and allows Roomba to completely clean one room before starting the next.

Virtual Wall mode keeps Roomba confined to one room or area, enabling it to clean where you want it and out of off-limit areas.

TIP: Virtual Wall Lighthouses turn on and off automatically as Roomba is turned on or off. When they are on, a light will illuminate on the top of the Virtual Wall Lighthouse. To conserve their battery life, remove the batteries if you are not planning on using the Virtual Wall Lighthouse when cleaning.



Use the Mode Selector to set the Virtual Wall Lighthouse to Virtual Wall or Lighthouse mode.



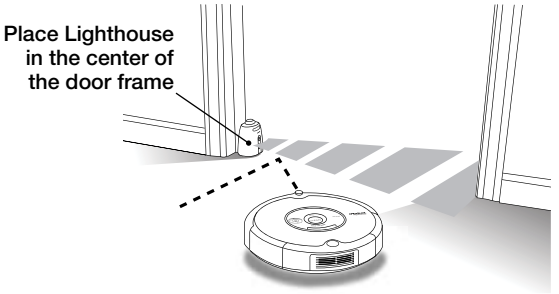
Virtual Wall Lighthouses indicate that their batteries will soon need to be replaced by flashing the power light repeatedly.

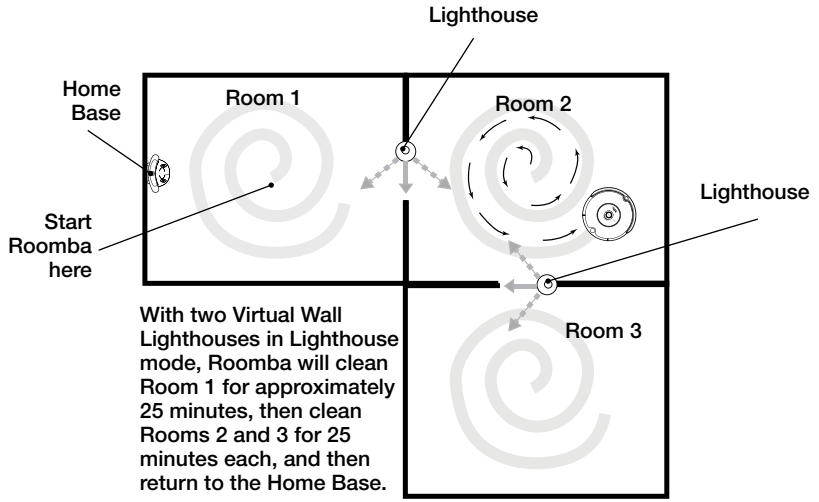
Virtual Wall®Lighthouses

Lighthouse Mode

In Lighthouse mode, the Virtual Wall Lighthouse helps Roomba navigate around your home and allows Roomba to clean room-to-room.

Place a Lighthouse in the doorway between two rooms with the iRobot Roomba logo facing forward. Roomba will clean the room it starts in, navigate to the next room, and then clean the second room. When Roomba has completed cleaning, it will use the Lighthouse to navigate back to the Home Base.




Lighthouse
Home Base
Room 1
Room 2
Lighthouse
Start Roomba here
Room 3
With two Virtual Wall Lighthouses in Lighthouse mode, Roomba will clean Room 1 for approximately 25 minutes, then clean Rooms 2 and 3 for 25 minutes each, and then return to the Home Base.

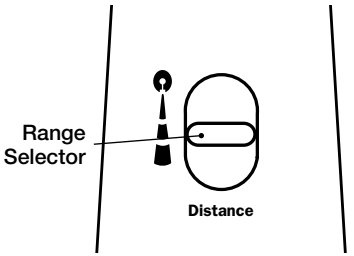
TIP: When using a Lighthouse and Max Mode, Roomba Professional will remain in Room 1 to maximize cleaning effectiveness.

Virtual Wall®Lighthouses

Virtual Wall Mode

In Virtual Wall mode, the Lighthouse creates an invisible barrier that Roomba will not cross.

Use the Range Selector slider bar to adjust the length of the barrier. The longer the range the faster the battery power will drain.



In Virtual Wall mode, the Lighthouse blocks an area up to eight feet or longer in three-step increments: 0-3 ft., 4-7 ft., 8+ ft. A small halo prevents Roomba from bumping into the Lighthouse and a larger cone-shaped area blocks off areas of your home where you don't want Roomba to go.

TIP: Use Virtual Wall Lighthouses in Virtual Wall mode to block doorways or to keep Roomba out of off-limit areas.

TIP: In Virtual Wall mode, iRobot recommends setting up the Virtual Wall Lighthouse as shown on page 14.

TIP: Don't manually move Roomba while it is cleaning. Avoid placing Lighthouses or Virtual Walls too close to each other, the Home Base or furniture that could block the beams. Doing so could prevent Roomba from recognizing the Lighthouses or returning to the Home Base.

Additional Virtual Wall Lighthouses may be purchased at www.irobot.com.

Scheduling Roomba

Setting the Time

You must set the time before scheduling Roomba to clean.

1. Press and hold CLOCK.
2. While holding CLOCK, use the DAY, HOUR, and MINUTE buttons to set the correct time.
3. Release CLOCK. Roomba will beep to indicate that the time has been set.

Setting a Schedule

You can schedule Roomba to clean once per day, up to seven times per week. You must set the time before setting a schedule.

To set a schedule:

1. Press and hold SCHEDULE.
2. While holding SCHEDULE, use the DAY, HOUR, and MINUTE buttons to set the schedule.
3. Release SCHEDULE. Roomba will beep to indicate that the schedule has been set.

Viewing and Deleting Schedules

To view Roomba's scheduled cleaning times:

1. Press and hold SCHEDULE.
2. While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
3. Release SCHEDULE.

To Delete a Schedule

1. Press and hold SCHEDULE.
2. While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
3. When Roomba is displaying the scheduled cleaning time you'd like to delete, press and hold DAY to delete the scheduled cleaning time. Roomba will beep to indicate the schedule has been deleted.
4. Release SCHEDULE.

To Change a Schedule

1. Press and hold SCHEDULE.
2. While holding SCHEDULE, press the DAY button to cycle through Roomba's scheduled cleaning times.
3. When Roomba is displaying the scheduled cleaning time you'd like to change, press the HOUR and MINUTE buttons to change the scheduled cleaning time.
4. Release SCHEDULE. Roomba will beep to confirm that the schedule has been changed.

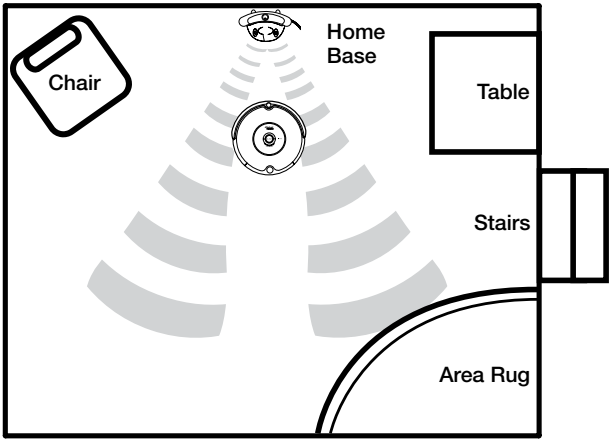
Home Base®

Roomba returns to the Home Base at the end of a cleaning cycle or when its battery is running low. Roomba needs to find the infrared signal of the Home Base in order to return.

Always keep the Home Base plugged in. When Roomba is on the Home Base, the Power and Docked lights will be green to indicate Roomba is charging.

Home Base Location

You should position the Home Base on a hard level surface and in an area where Roomba has a clear path to return at the end of a cleaning cycle. Locate the Home Base against a wall or other immovable object to prevent it from sliding during docking. If Roomba is unable to dock on its first attempt, it will try again until it docks successfully.



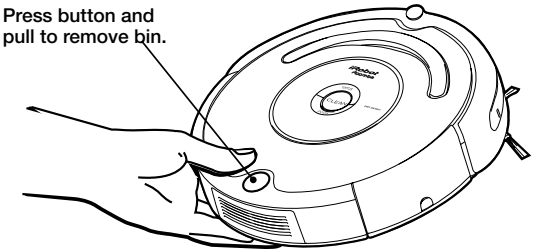
Docking Roomba

To have Roomba look for the Home Base and recharge its battery, simply press and hold the Max button on Roomba.

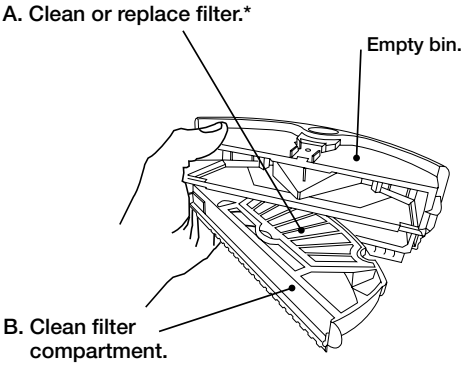
Maintenance

To keep Roomba running at peak performance, it is recommended that you perform the following maintenance regularly:

1 Remove and empty Roomba's bin after each use



2 Clean Roomba's filter compartment



**Replace filter every 2 months.*

Visit www.irobot.com for information on keeping Roomba running at peak performance and to purchase replacement and accessory items.

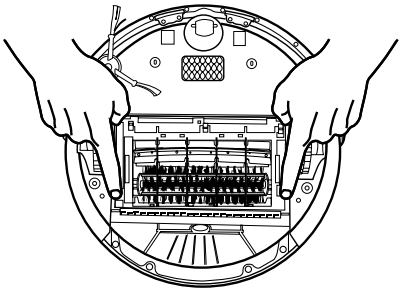
⚠ Do not run Roomba without filter properly installed.

TIP: Bin emptying and brush cleaning should be done after every cleaning cycle. Also be sure to regularly check the front wheel for hair build up (see page 21).

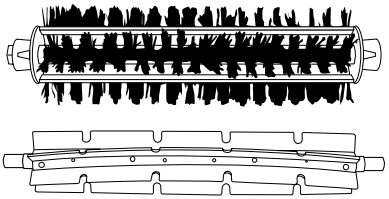
TIP: If you notice Roomba picking up less debris from your floor, empty the bin and clean the brushes.

3 Clean Roomba's brushes

A. Remove brush guard by lifting both yellow tabs.

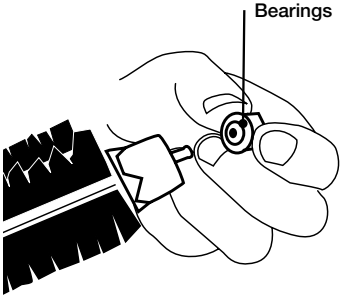


B. Remove and clean Roomba's brushes.

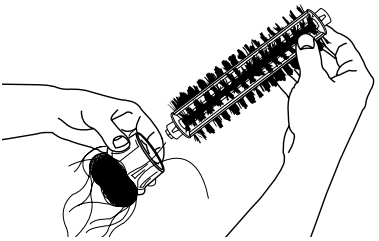


TIP: When maintaining Roomba, look for the yellow parts. These parts are designed to be removed and cleaned every time you empty Roomba's bin.

C. Remove and clean hair and dirt from Roomba's yellow brush bearings.



D. Use the included cleaning tool to easily remove hair from Roomba's brushes.

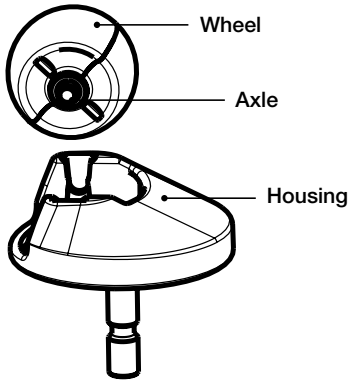


⚠ Excessive build-up of hair in Roomba's brushes and bearings can permanently damage Roomba. Inspect brush bearings regularly.

⚠ Do not attempt to run Roomba without the bearings. If you misplace Roomba's brush bearings, contact iRobot Customer Care for replacement bearings.

4 Clean Roomba's front wheel

A. Pull firmly on Roomba's front wheel to remove it from the robot.



B. Remove debris from inside the front wheel cavity.

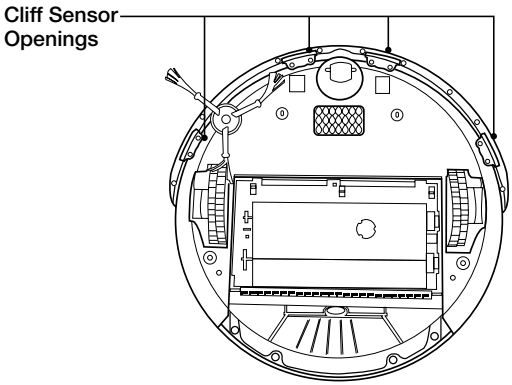
C. Remove the front wheel from its housing and clear any hair wrapped around the axle. Push firmly on the wheel axle to remove it completely from the wheel.

D. Wipe the wheel clean.

E. Re-install the wheel into the housing, and the module into the robot.

5 Clean Roomba's cliff sensors

A. Wipe all four cliff sensors with a clean, dry cloth.



Troubleshooting

Roomba will tell you something is wrong with a two-tone "uh-oh" sound followed by a series of beeps and, for some issues, a narrated voice.

Refer to the table below to resolve Roomba's problem.

If the problem is not resolved, visit www.irobot.com/support.

Roomba beeps....	Likely cause	What to do
1 beep	Roomba is stuck with a wheel hanging down.	Move the robot, ensure all wheels are firmly on the floor and restart the robot.
2 beeps	The main brushes cannot turn.	Remove and clean Roomba's brushes. See page 20.
5 beeps	A drive wheel is stuck.	Clean Roomba's drive wheels of hair and debris. Push them in and out and confirm that they both turn freely.
6 beeps	Roomba's cliff sensors are dirty or Roomba is stuck hanging over a cliff.	Wipe off Roomba's cliff sensors with a dry cloth and start Roomba in a new location. See page 21.
7 beeps	A drive wheel is stuck.	Clean Roomba's drive wheels of hair and debris. Push them in and out and confirm that they both turn freely. Start the robot in a new location.
8 beeps	The front wheel is stuck or the robot is stuck.	Remove and clean hair and debris from Roomba's front wheel. Start the robot in a new location. See page 21.
9 beeps	The robot is stuck with its bumper pressed in or the bumper sensor is dirty.	Inspect and clean Roomba's bumper.
11 beeps	Roomba's bumper is not registering obstacles. Roomba may be stuck in one place.	Roomba may be in an extremely large room. Try setting up Virtual Walls to create a small area. If Roomba is not in a large room, tap Roomba's bumper to confirm it is properly working. If this error occurs when Roomba is circling, please clean Roomba's drive wheels of hair and debris.
12 beeps	A cliff sensor is dirty or broken.	Inspect and clean Roomba's cliff sensors. See page 21.
Roomba says...	**Likely cause**	**What to do**
Remove and clean Roomba's brushes	The main brushes cannot turn.	Remove and clean Roomba's brushes. See page 20.
Clean Roomba's cliff sensors	Roomba's cliff sensors are dirty or the robot is being started over a cliff.	Wipe off Roomba's cliff sensors with a dry cloth. Ensure the robot is being started with all wheels firmly on the floor. See page 21.
Inspect and clean Roomba's wheel(s)	A drive wheel is stuck or Roomba's drive wheels are not touching the ground.	Clean Roomba's drive wheels of hair and debris. Push them in and out and confirm that they both turn freely. Ensure that the robot is being started with all wheels firmly on the floor.
Roomba blinks...	**Likely cause**	**What to do**
1 blink (when charging)	The battery is not connected.	Confirm that Roomba's battery pull-tab is removed. Remove the bottom cover of Roomba and remove and re-install Roomba's battery.
2 blinks		Try charging the robot again. If the problem persists, contact iRobot Customer Support.
3 blinks		Try charging the robot again. If the problem persists, contact iRobot Customer Support.
5 blinks	Roomba has a charging error.	Reset your robot by holding down SPOT and DOCK for 10 seconds. Contact iRobot Customer Support if this does not resolve the problem.
6 blinks	Roomba's battery is too warm.	Let the battery cool down and try charging the robot again.
7 blinks	Roomba's battery will not cool down.	Let Roomba cool down for at least one hour and try charging again. If the problem persists, contact iRobot Customer Support.

TIP: To reset Roomba's software, hold down the SPOT and MAX buttons at the same time for 10 seconds. This will clear all scheduled cleaning times, reset the clock, and may resolve some software issues.

Frequently Asked Questions

Why does Roomba's side brush occasionally spin backwards?

When caught on items such as carpet tassels or wires, the side brush may spin slowly or briefly spin backwards to free itself. This may also occur on thick or high-pile carpets. If this behavior should occur on hard floor surfaces or when no tassels or wires are present, the side brush should be cleaned. Using a small Philips head screwdriver, first remove the screw from the center of the side brush. Next remove the side brush and thoroughly clean any hair or debris that is wrapped around the shaft. Then reinstall the side brush and side brush screw.

Why does Roomba occasionally make a thumping sound?

When Roomba's brushes encounter items such as carpet tassels or wires, the brushes will briefly reverse direction to get free. This action causes a thumping sound that can be heard approximately once per second until the brushes are free from obstruction. If Roomba makes a thumping sound when no tassels or wires are present, the main brushes should be cleaned as described on page 20.

Why doesn't Roomba slow down as it approaches certain obstacles?

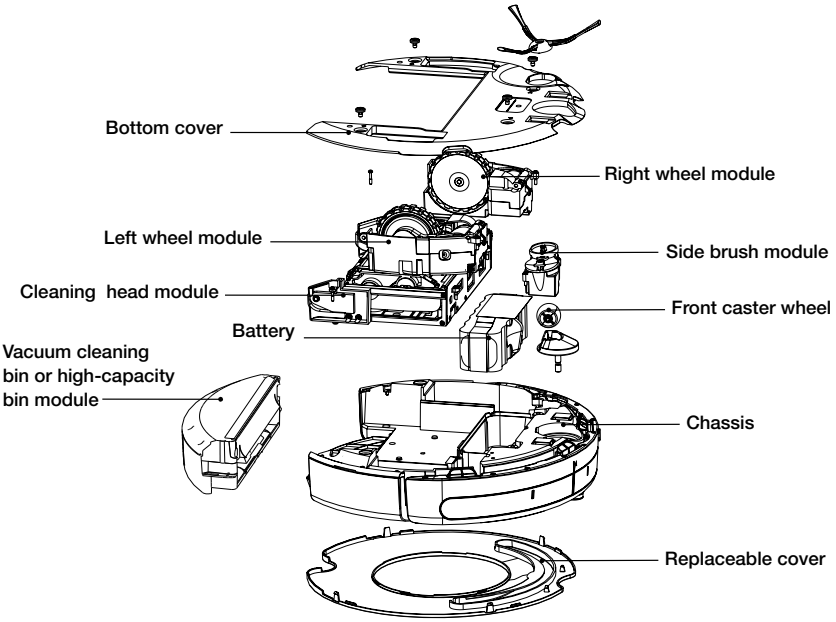
Roomba uses its Light Touch Bumper technology to identify walls and other obstacles, allowing it to slow down and gently touch the obstacle with its bumper before changing direction. Roomba may be less effective at sensing and slowing down for extremely dark or black surfaces, or for objects that are less than two inches wide.

TIP: For additional assistance, visit www.irobot.com/support.

Replaceable Modules

Roomba has a number of modules that can be replaced, including its drive wheels, side brush, main cleaning head, vacuum cleaning bin, high-capacity bin, caster wheel, and battery.

To access Roomba's replaceable modules, remove the bottom cover of Roomba by removing the four screws that hold down the bottom cover and the screw that holds the spinning side brush.



iRobot Customer Care

If you have questions or comments about Roomba, please contact iRobot before contacting a retailer.

Please visit our web site at www.irobot.com for support tips, frequently asked questions, or information about accessories and other iRobot products. We would like to hear from you.

Should you still need assistance:

- Visit the iRobot support web site at www.irobot.com/support
- Call our Customer Care representatives at 877.855.8593

iRobot Customer Care Hours:

- Monday – Friday 9AM – 7PM Eastern Time
- Saturday 9AM – 6PM Eastern Time

Important Safety Instructions

⚠ CAUTION: DO NOT EXPOSE THE ELECTRONICS OF ROOMBA, ITS BATTERY OR THE CHARGER. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. CHARGE USING STANDARD U.S. (120V AC) OUTLET ONLY.

Always exercise caution when operating your Roomba. To reduce the risk of injury or damage, keep these safety precautions in mind when setting up, using and maintaining your Roomba:

GENERAL SAFETY INSTRUCTIONS

- Read all safety and operating instructions before operating Roomba.
- Retain the safety and operating instructions for future reference.
- Heed all warnings on Roomba, battery, charger and in owner's manual.
- Follow all operating and use instructions.
- Refer all non-routine servicing to iRobot.

ROOMBA USE RESTRICTIONS

- Roomba is for indoor use only.
- Roomba is not a toy. Do not sit or stand on this device. Small children and pets should be supervised when Roomba is cleaning.
- Clean with a dry cloth only. Do not pour or spray water onto Roomba.
- Do not use this device to pick up anything that is burning or smoking.
- Do not use this device to pick up spills of bleach, paint, or other chemicals, or anything wet.
- Before using this device, pick up objects like clothing, loose papers, pull cords for blinds or curtains, power cords, and any fragile objects. If the device passes over a power cord and drags it, there is a chance an object could tumble off a table or shelf.
- If the room to be cleaned contains a balcony, a physical barrier should be used to prevent access to the balcony and ensure safe operation.
- Always remove the battery before long-term storage or transportation.

ROOMBA BATTERY AND CHARGING

- Charge using a standard U.S. (120V AC) outlet only. Product may not be used with any type of power converter. Use of other power converters will immediately void the warranty.
- Use only the charger supplied by the manufacturer to charge this device.
- Do not use a charger with a damaged cord or plug.
- Charge indoors only.
- Roomba's power supply may be protected with a surge protector in the event of severe electrical storms.
- Never handle chargers with wet hands.
- Always disconnect Roomba from the charger before cleaning.

Get iRobot accessories at:
800.727.9077 or visit store.irobot.com

**See registration card for details. Pricing and availability subject to change. Shipping and handling not included.*

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